

Electronic Filing System (EFS) Data
Electronic Patent Application Submission
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EFS ID: 11901
Application ID: 09682073
Title of Invention: Method of Device-to-Device Communications in Hybrid Distributed Device Control Networks
First Named Inventor: Antonio Mugica
Domestic/Foreign Application: Domestic Application
Filing Date: null
Effective Receipt Date: 2001-07-17
Submission Type: Utility Patent Filing
Filing Type: new-utility
Confirmation Number: 0
Attorney Docket Number: 38146
Digital Certificate Holder: cn=Jeffrey Monroe Furr, ou=Registered Attorneys, ou=Patent and Trademark Office, ou=Department of Commerce, o=U.S. Government, c=US
Certificate Message Digest: cyLThLAvsV4poy9MT6Zv9Q==
Total Fees Authorized: \$355.0
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Credit Card Number: *****9699
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Card Holder Name: Antonio Mugica
RAM User ID: EFSPROD
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TRANSMITTAL FORM



Electronic Version 1.0.2

Stylesheet Version: 1.0

Attorney Docket Number:

38146

Method of Device-to-Device Communications in Hybrid Distributed Device Control Networks

First Named Inventor: Mr. Antonio Mugica

SUBMITTED BY

Name:

Mr. Jeffrey Furr Esq.

Registration Number:

38146

Electronic Signature Mark: Jeffrey
Furr

Date Signed: 20010717

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Attached Files:

declaration	Dis1.tif
declaration	Dis2.tif
declaration	Dis3.tif
fee-transmittal	D2DHybridfee.xml
bibd-transmittal	D2DHybridapds.xml

specification

D2Dspec.xml

Attached Image File(s):

Dis1.tif

Dis2.tif

Dis3.tif

Figure 1 consists of 12 subplots labeled (a) through (l), arranged vertically. Each subplot shows the electron distribution function $f(v)$ on the y-axis (ranging from 0 to 1.0) against velocity v on the x-axis (ranging from -10 to 10). The subplots represent different times t in units of ω_{pe}^{-1} : (a) $t=0$, (b) $t=0.01$, (c) $t=0.02$, (d) $t=0.03$, (e) $t=0.04$, (f) $t=0.05$, (g) $t=0.06$, (h) $t=0.07$, (i) $t=0.08$, (j) $t=0.09$, (k) $t=0.1$, and (l) $t=0.11$. The distribution starts as a single peak at $v=0$ and evolves into a beam at $v=10$.

Please type a plus sign (+) inside this box → ☒

PTO/SB/01 (10)

Approved for use through 10/31/2002. OMB 0651-0

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**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**

☒ Declaration Submitted with Initial Filing **OR** ☐ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number

First Named Inventor

ANTONIO MUGICA

COMPLETE IF KNOWN

Application Number

Filing Date

Group Art Unit

Examiner Name

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**METHOD OF DEVICE-TO-DEVICE COMMUNICATIONS IN HYBRID DISTRIBUTED
CONTROL NETWORKS**

(Title of the Invention)

the specification of which

☒ is attached hereto

OR

☐ was filed on (MM/DD/YYYY)

as United States Application Number or PCT International

(if applicable)

Application Number

and was amended on (MM/DD/YYYY)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

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09682073 1071701

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DECLARATION — Utility or Design Patent Application

Direct all correspondence to: ☐ Customer Number or Bar Code Label ☐ Correspondence address below

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Address

Address

City

State

ZIP

Country

Telephone

Fax

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and not believed to be true and further that these statements were made with the knowledge that willful false statements and that I made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR

☐ A petition has been filed for this unsigned inventor

Given Name

ANTONIO

Family Name

MUGICA

(first and middle (if any))

or Surname

Inventor's
Signature

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7/11/2007

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NAME OF SECOND INVENTOR

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(first and middle (if any))

or Surname

Inventor's
Signature

Date

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Mailing Address

Qta Ana Michel, Los Chagres

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Approved for use through 10/31/2002. GPO 505
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE
Under the Patent and Trademark Act of 1980, no patent will be granted to anyone who furnishes false or misleading information on a patent application or who engages in any fraudulent conduct in connection with the patent process.

DECLARATION

ADDITIONAL INVENTOR(S)
Supplemental Sheet
Page 1 of 1

Name of Additional Joint Inventor, if any:

☐ A petition has been filed for this unsigned inventor.

Given Name (first and middle if any):

Family Name or Surname:

LINO

IGLESIAS

Inventor's
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FEE TRANSMITTAL

Electronic Version 1.0.4

Stylesheet Version: 1.0

Patent fees are subject to annual revisions on or about October 1st of each year.

Small Entity

Small Business Concern

TOTAL FEES AUTHORIZED: \$ 355

BANK (CREDIT) CARD INFORMATION:

Credit Card Number: 9699
Expiration Date: 20020911
Authorized Name: Antonio Mugica
Billing Address: 33487

BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	201	\$ 355

Subtotal For Basic Filing Fee: \$ 355

EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 7	203	\$ 9	0	\$ 0
Independent Claims: 1	202	\$ 40	0	\$ 0

Subtotal For Extra Claims Fees: \$ 0